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# **A micromechanical model of fiber bridging including effects of large deflections and fracture in the bridging fibers**

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## **Abstract**

A micromechanical model of crossover fiber bridging is developed for the prediction of macroscopic mixed mode bridging laws (traction-separation laws). The model is based on moderately large deflection beam theory and takes fracture of the bridging ligament into account through a Weibull distributed failure strain.